AMENDMENTS

Please amend the claims as follows:

1-24 (cancelled)

25. (new) In a mesh network having a plurality of nodes for providing wireless access to a plurality of wireless end user devices including a source device and a destination device, the source device being provided wireless access by a source roaming node and being associated with a source home node different from the source roaming node, the destination device being provided wireless access by a destination node different from the source roaming node and the source home node, a method of routing data traffic between the source device and the destination device, the method comprising:

receiving the data traffic from the source roaming node at the destination node, the data traffic originating from the source device and being destined for the destination device;

determining that the data traffic was received from the source roaming node at the destination node;

determining that the data traffic originated from the source device and is destined for the destination device;

reprogramming the destination node to route any further data traffic destined for the source device to the source roaming node; and

forwarding the data traffic to the destination device

wherein any further data traffic destined for the source device from the destination device is routed to the source device without involving the source home node.

26. (new) The method according to claim 25 wherein the destination node is a destination roaming node and the destination device is associated with a destination home node different from the source roaming node and the destination roaming node.

27. (new) The method according to claim 25 wherein an address of the source device is derived from an address of the source home node.

28. (new) The method according to claim 27 wherein the address of the source device is an IP address of the source device, the address of the source home node is an IP address of the source home node, whereby the IP address of the source device is derived from the IP address of the source home node.

29. (new) The method according to claim 27 wherein routing any further data traffic destined for the source device to the source roaming node comprises associating the further data traffic with an address of the source roaming node which is different from the address of the source home node.

30. (new) The method according to claim 29 wherein associating the further data traffic with the address of the source roaming node comprises repackaging the further data traffic using the address of the source roaming node.

31. (new) The method according to claim 25 wherein the mesh network further has a gateway node for tracking the wireless end user devices and for relaying data traffic between the mesh network and another network external to the mesh network, and wherein the destination node is reprogrammed to route further data traffic destined for the source device to the source roaming node without involving the gateway node.

32. (new) The method according to claim 25 wherein any further data traffic destined for the source device which is received by the source roaming node is forwarded by the source roaming node to the source device.

33. (new) The method according to claim 25 wherein determining that the data traffic was received from the source roaming node at the destination node comprises determining an association between the data traffic and an address of the source roaming node.

34. (new) The method according to claim 25 wherein determining that the data traffic originated from the source device and is destined for the destination device comprises: determining an association between the data traffic and an address of the source device; and determining an association between the data traffic and an address of the destination device.

35. (new) In a mesh network having a plurality of nodes for providing wireless access to a plurality of wireless end user devices including a source device and a destination device, the source device being provided wireless access by a source roaming node and being associated with a source home node different from the source roaming node, a destination node for providing wireless access to the destination device, the destination node being different from the source roaming node and the source home node, the destination node comprising:

a backhaul link module for receiving data traffic from the source roaming node, the data traffic originating from the source device and being destined for the destination device;

a control module for:

determining that the data traffic was received from the source roaming node at the destination node;

determining that the data traffic originated from the source device and is destined for the destination device; and

reprogramming the destination node to route any further data traffic destined for the source device to the source roaming node; and

a wireless access module for forwarding the data traffic to the destination device

wherein any further data traffic destined for the source device from the destination device is routed to the source device without involving the source home node.

36. (new) The destination node according to claim 35 wherein the destination node is a destination roaming node and the destination device is associated with a destination home node which is different from the source roaming node and the destination roaming node.

37. (new) The destination node according to claim 35 wherein an address of the source device is derived from an address of the source home node.

38. (new) The destination node according to claim 37 wherein the address of the source device is an IP address of the source device, the address of the source home node is an IP address of the source home node, whereby the IP address of the source device is derived from the IP address of the source home node.

39. (new) The destination node according to claim 37 wherein routing any further data traffic destined for the source device to the source roaming node comprises associating the further data traffic with an address of the source roaming node which is different from the address of the source home node.

40. (new) The destination node according to claim 39 wherein associating the further data traffic with the address of the source roaming node comprises repackaging the further data traffic using the address of the source roaming node.

41. (new) The destination node according to claim 35 wherein the mesh network further has a gateway node for tracking the wireless end user devices and for relaying data traffic between the mesh network and another network external to the mesh network, and wherein the control module is reprogrammed to route any further data traffic destined for the source device to the source roaming node without involving the gateway node.

42. (new) A mesh network having a plurality of nodes for providing wireless access to a plurality of wireless end user devices including a source device and a destination device, the plurality of nodes including:

a source roaming node for providing wireless access to the source device including receiving data traffic from the source device;

a source home node associated with the source device, the source home node being different from the source roaming node; and

a destination node different from the source roaming node and the source home node, the destination node for providing wireless access to the destination device including:

receiving at the destination node data traffic from the source roaming node, the data traffic originating from the source device and being destined for the destination device;

determining that the data traffic was received from the source roaming node at the destination node;

determining that the data traffic originated from the source device and is destined for the destination device;

reprogramming the destination node to route further data traffic destined for the source device to the source roaming node; and

forwarding the data traffic to the destination device

wherein any further data traffic destined for the source device from the destination device is routed to the source device without involving the source home node.

43. (new) The mesh network according to claim 42 wherein the destination node is a destination roaming node and the destination device is associated with a destination home node which is different from the source roaming node and the destination roaming node.

44. (new) The mesh network according to claim 42 wherein an address of the source device is derived from an address of the source home node.

45. (new) The mesh network according to claim 44 wherein routing any further data traffic destined for the source device to the source roaming node comprises associating the further data traffic with an address of the source roaming node which is different from the address of the source home node.

46. (new) The destination node according to claim 45 wherein associating the further data traffic with the address of the source roaming node comprises repackaging the further data traffic using the address of the source roaming node.